IN THE CLAIMS:

1. (Currently Amended) A prepolymer composition for producing polyurethane insulating foams with fire-retardant properties from aerosol cans, wherein said prepolymer composition comprises:

a prepolymer component having at least one polyurethane (PU) prepolymer with a content of NCO groups of 4 to 20 wt%

said prepolymer being prepared from aromatic polyisocyanates and

polyester-polyols prepared from aromatic polycarboxylic ~~acid~~ acids and ethylene glycol or glycerol, said polyester polyols having a hydroxyl number between about 100 and 300 and a functionality of 2 to 4 and

a propellant component selected from the group consisting of propane, butane, fluorocarbons and dimethyl ether, and combinations thereof,

wherein said prepolymer component is halogen-free and has a content of 5 to 40 wt%, of softening phosphates, phosphonates or combinations thereof having the formulae $O=P(OR)_3$ and $O=P(OR)_2R$, wherein R is the same or different and selected from aryl alkyl, aryl, or alkylaryl groups having up to 10 carbon atoms, based on the prepolymer content.

2. (Previously Presented) The prepolymer composition of claim 1, wherein the propellent is a fluorocarbon.

3. (Previously Presented) The prepolymer composition of claim 2, wherein said prepolymer is prepared from monomers selected from the group consisting of tolylene diisocyanate, and diphenylmethane diisocyanate.

Claims 4 and 5 (cancelled).

6. (Previously Presented) The prepolymer composition of claim 1 wherein the polyester polyols are at least partly phosphorous-modified, and the polyester-polyol is prepared from ethylene glycol.

Claims 7 and 8 (cancelled).

9. (Previously Presented) The prepolymer composition of claim 1, wherein propellant content is 5 to 40 wt% of the prepolymer composition.

10. (Previously Presented) The prepolymer composition of claim 1, wherein the propellant component is selected from the group consisting of propane and butane, and the

polyester-polyol is prepared from ethylene glycol.

11. (Previously Presented) The prepolymer composition of claim 1, wherein the propellant component contains fluorocarbon selected from the group consisting of C_2HF_5, $C_2H_2F_4$ (unsymmetrical), $C_2H_3F_3$, $C_2H_4F_2$ (unsymmetrical) and mixtures thereof.

12. (Previously Presented) The prepolymer composition of claim 1, wherein the prepolymer composition additionally contains a flame-retardant additive which is free from chlorine and bromine.

13. (Previously Presented) The prepolymer composition of claim 12, wherein the flame-retardant additive is selected from the group consisting of melamine, melamine cyanurate, dimelamine phosphate, melamine phosphate, cyanodiamide, dicyanodiamide, aluminum trihydrate, ammonium polyphosphate and mixtures thereof.

14. (Previously Presented) The prepolymer composition of claim 1, wherein the initial service viscosity of the polyurethane prepolymer at 20°C is 5000 to 20000 mPa.s.

15. (Previously Presented) The prepolymer composition of claim, 1 wherein the initial service viscosity of the polyurethane prepolymer is between 8000 to 15000 mPa.s. at 20°C.

16. (Previously Presented) The prepolymer composition of claim 3 wherein softening phosphates and phosphonates are used for setting polyurethane insulating foams to be flame-retardant,

the propellant is a fluorocarbon, and

the polyester-polyol is prepared from ethylene glycol.

17. (Withdrawn) A pressure can for discharging 1C polyurethane insulating foams, filled with the prepolymer composition of Claim 1.

18. (Withdrawn) The prepolymer composition of Claim 3 wherein the polyester polyols have a molecular weight of 1000 to 2000.

19. (Withdrawn) The prepolymer composition of Claim 4 wherein the polyester polyols are ones based on ethylene glycol or glycerine and aromatic or aliphatic, preferably native, polycarboxylic acids.

20. (Withdrawn) The prepolymer composition of Claim 5 wherein the polyester polyols are at least partly phosphorus-modified.

21. (Withdrawn) The prepolymer composition of Claim 6, wherein a content of liquid polybutadiene is 0.01 to 2 wt%.

22. (Withdrawn) The prepolymer composition of Claim 8 wherein a propellant content of 5 to 40 wt%.

23. (Withdrawn) The prepolymer composition of Claim 9, wherein the propellant component contains propane, butane and/or dimethylether.

24. (Withdrawn) The prepolymer composition of Claim 10 wherein the propellant component contains fluorocarbon, in particular R 125, R 13a, R143 and/or R 152a.

25. (Withdrawn) The use of the prepolymer composition of Claim 11 wherein it additionally contains a flame-retardant additive which is free from chlorine and bromine.

26. (Withdrawn) The prepolymer composition of Claim 13, wherein initial services viscosity of the PU prepolymer at 20°C is 5000 to 20000 mPa.s.

27. (Withdrawn) The use of the softening phosphates and phosphonates of Claim 11 for setting polyurethane insulating foams to be flame retardant.

28. (Withdrawn) A pressure can for discharging IC polyurethane insulating foams, characterized in that the composition comprises a prepolymer composition of Claim 15.